ABS external reservoir for sample with level sensor

DESCRIPTION

The external reservoir allows to have a fast circulation of the sample coming from the sampling point or from the optional filtration unit. Inside the fast-loop reservoir the sample is at atmospheric pressure and this allows the sample pump to work in proper way with constant delivery and no overpressure.

In addition to this, the fast-loop reservoir is a useful extra quantity of sample to avoid wrong alarms in case of short loss of sample as well as to eliminate air bubbles from sample coming the sample line or caused by the cleaning cycle of the optional filtration unit. The overflow drain keeps a constant water level inside the container and allows a proper water circulation.

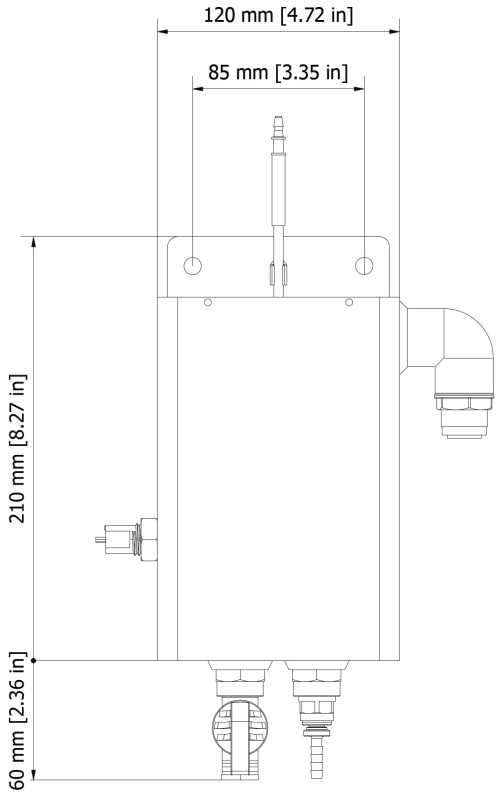
Reservoirs are connected to the analyzer so that when there is no sample the analyzer will stop the measurement/ analytical cycle and trigger an alarm. For dual channel configurations if one sample is empty, the analyzer will switch to the reservoir with available sample.

Additionally, there is a manual valve at the bottom of the reservoir to empty the resevoir and the reservoir can be cleaned.

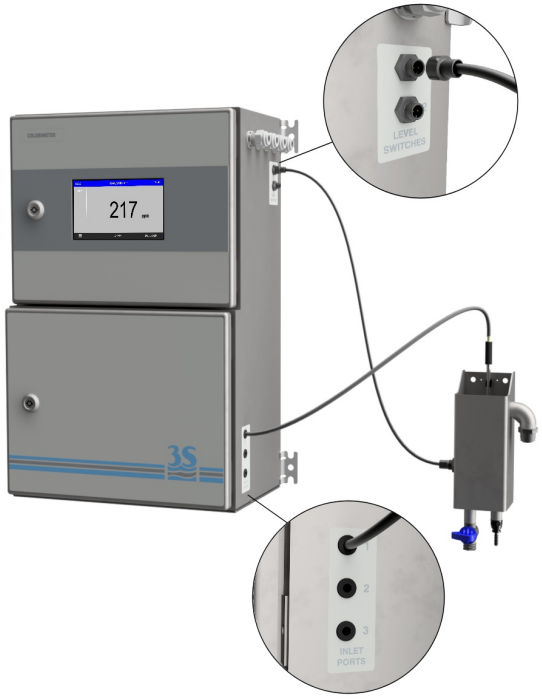
A continuous line of sample with a flow of 80-500 cc/min is required for operation.

TECHNICAL SPECIFICATIONS

Body Material	ABS
Dimensions (HxLxD)	258 x 149 x 134 mm (10.2 x 5.9 x 5.3 in)
Weight	Approx. 1 kg (2.2 lbs)
Volume	1 ℓ
Mounting	Wall mounted
Sample Connection	Flexible tubing 6 mm OD
Drain Connection	Flexible tubing 10 mm OD
Sample Pressure	Atmospheric, flow (max 500 ml/min)
Sample Temperature	5 - 45°C (41 - 113 °F)
Maintenance	Regular cleaning, frequency dependent on sample quality



INSTALLATION



The reservoir can be mounted on the wall next to the analyzer, preferably on the right side of 3S-CL and 3S-UV models and on the left side of 3S-TM models.

The sample line is connected to the bottom of the reservoir through a flexible tubing with an external diameter of 6 mm (an adapter for rubber tubings is included).

The intake straw of the reservoir is connected to the analyzer via a rubber tubing, either to inlet 1 or 2 of the instrument.

The level sensor of the reservoir has to be connected to the analyzer via the provided cord, either to port 1 or 2 depending on the analyzer configuration.

The illustration shows an example installation for the 3S-CL analyzer.

ORDERING INFORMATION

- A46ERLSPVC - ABS external reservoir for sample with level sensor